

FIG.1

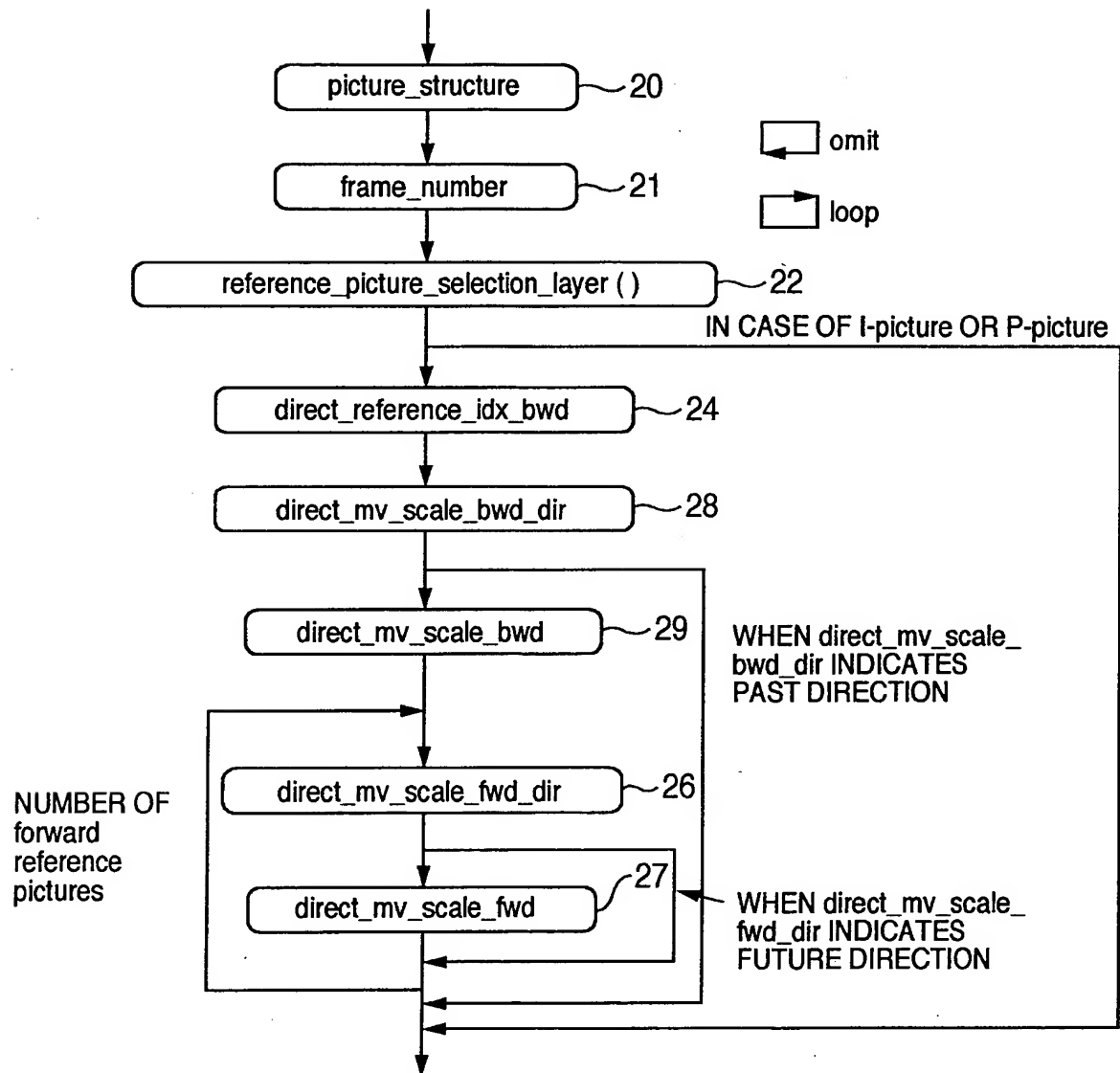


FIG.2

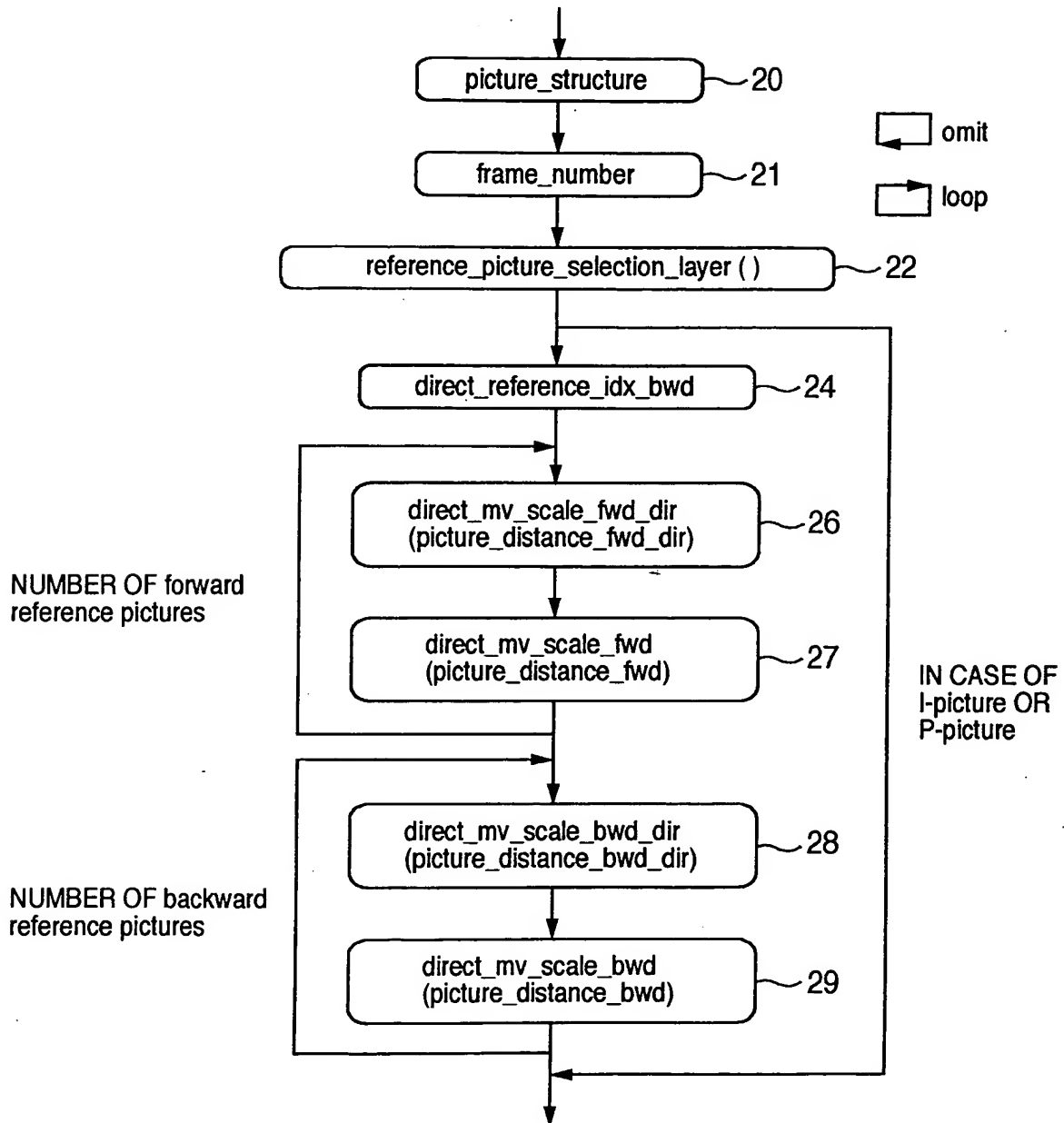


FIG.3

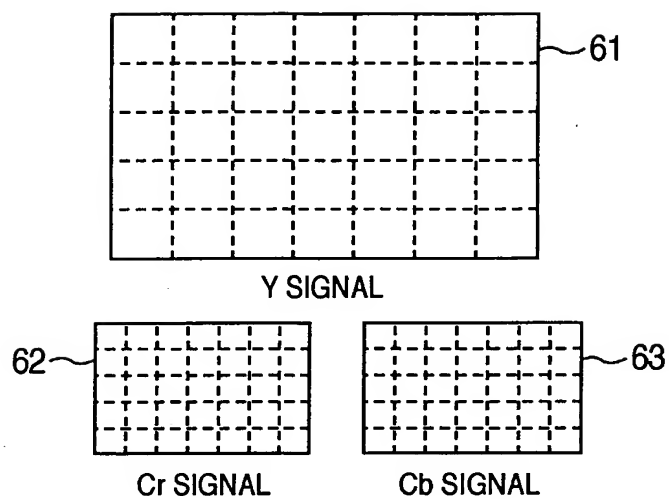
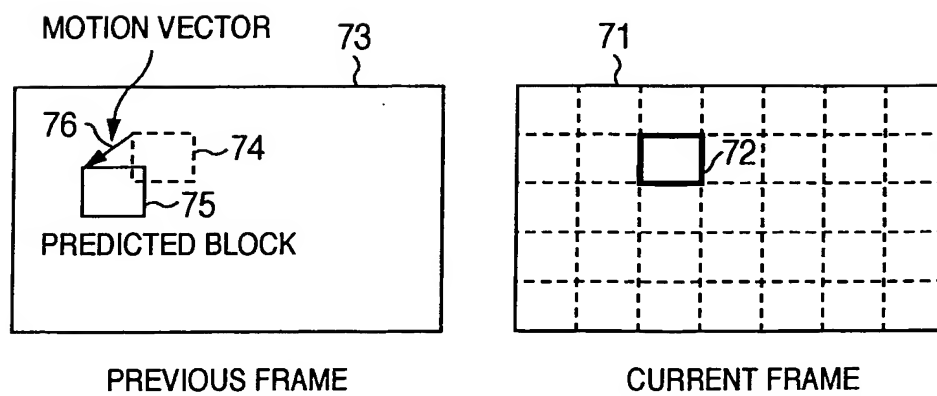


FIG.4



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FIG.5

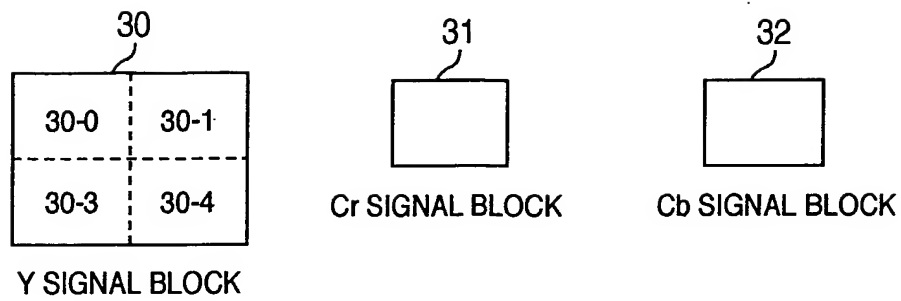


FIG.6

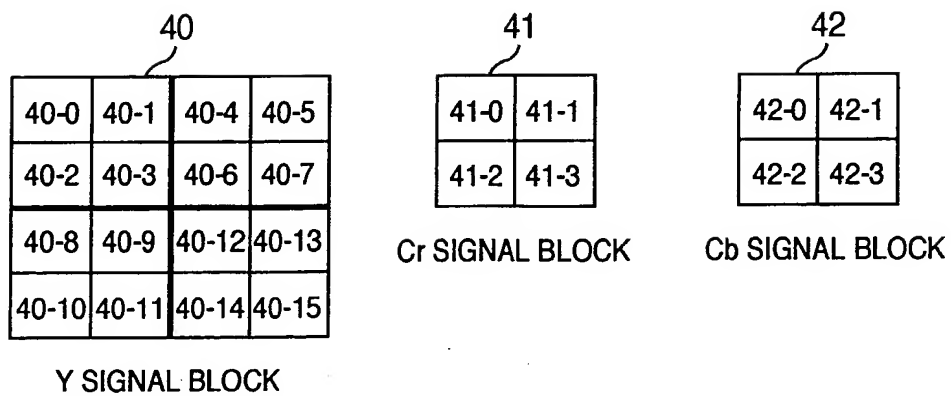
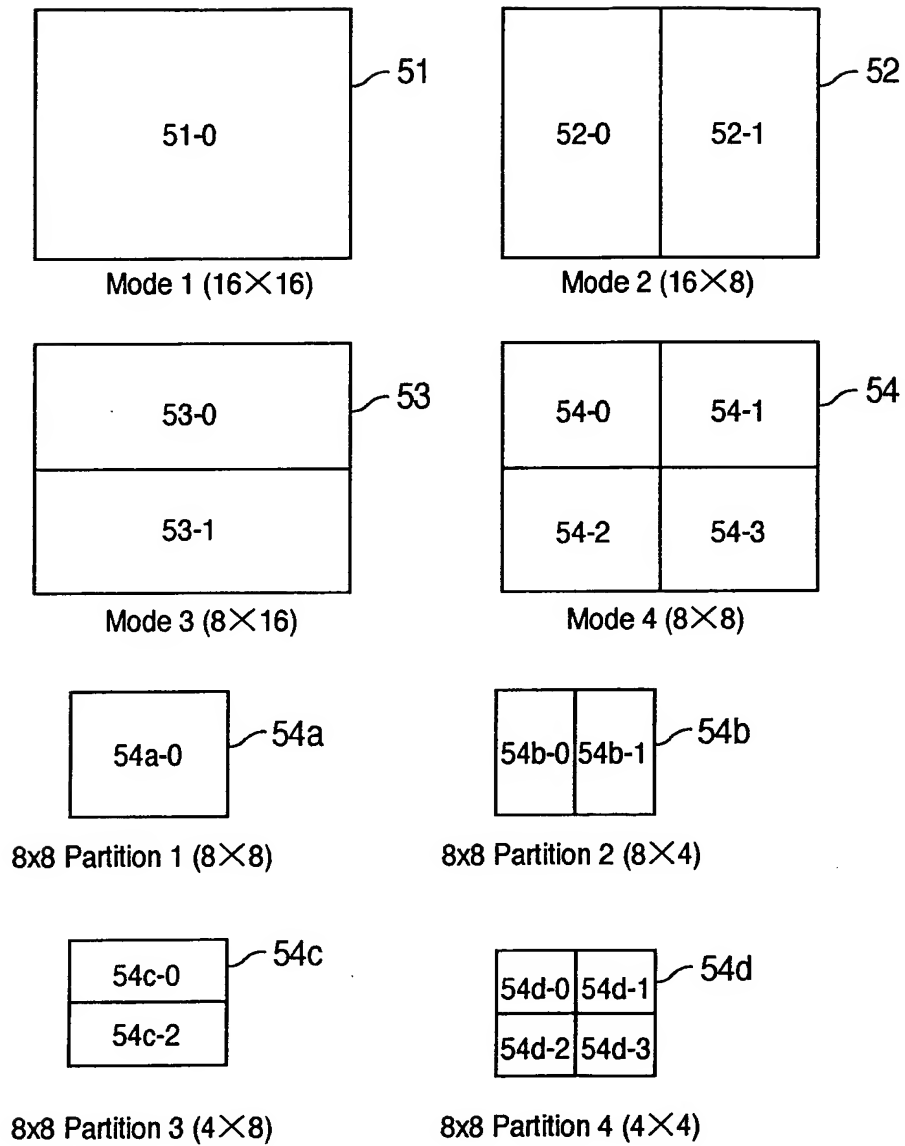


FIG.7



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FIG.8

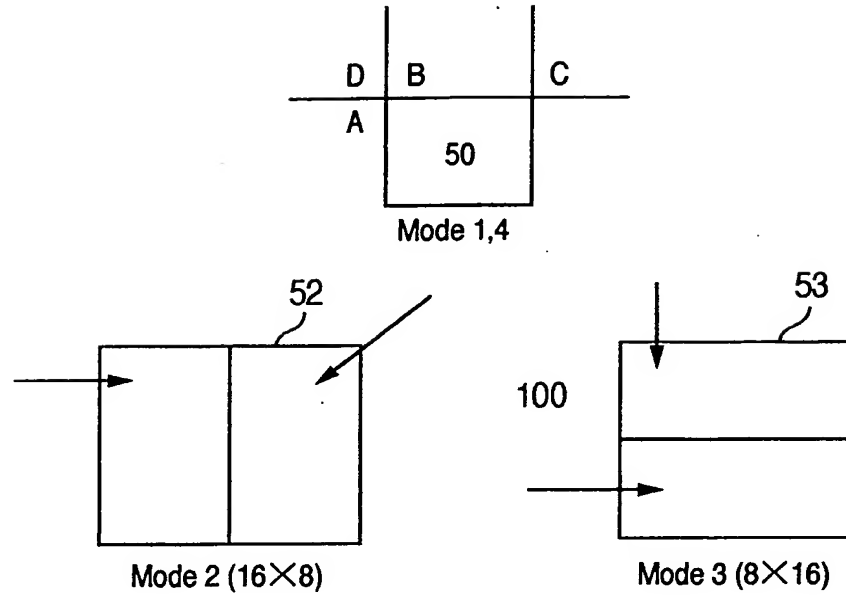
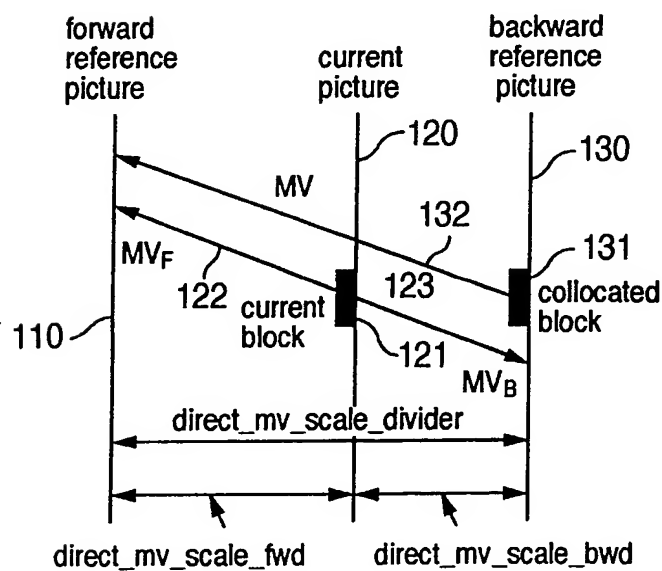


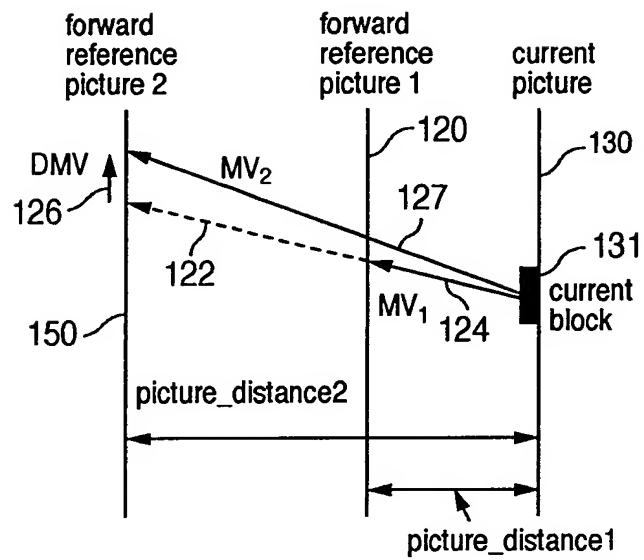
FIG.9



$$MV_F = \text{direct\_mv\_scale\_fwd} \cdot MV / \text{direct\_mv\_scale\_divider}$$

$$MV_B = \text{direct\_mv\_scale\_bwd} \cdot MV / \text{direct\_mv\_scale\_divider}$$

FIG.10



$$MV_2 = \text{picture\_distance2} \cdot MV_1 / \text{picture\_distance1} + DMV$$

FIG.11

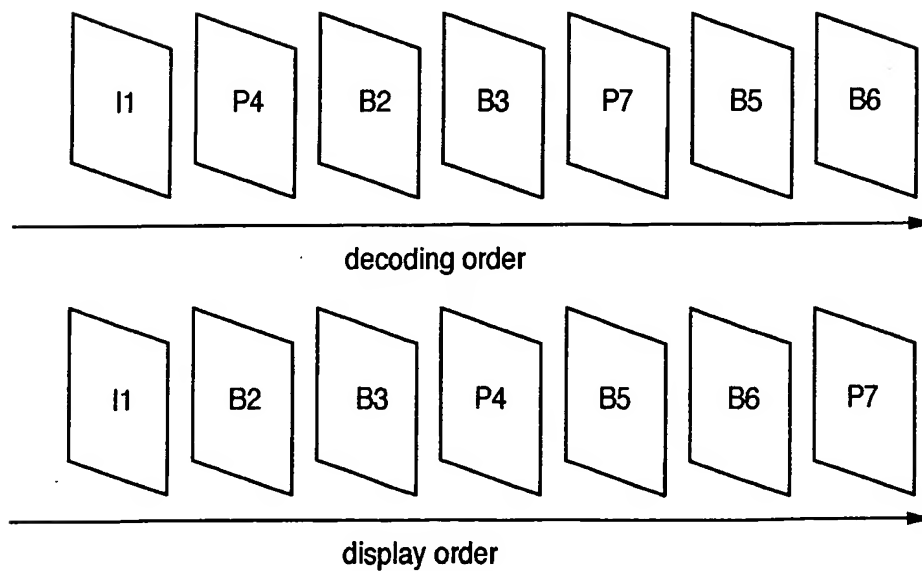
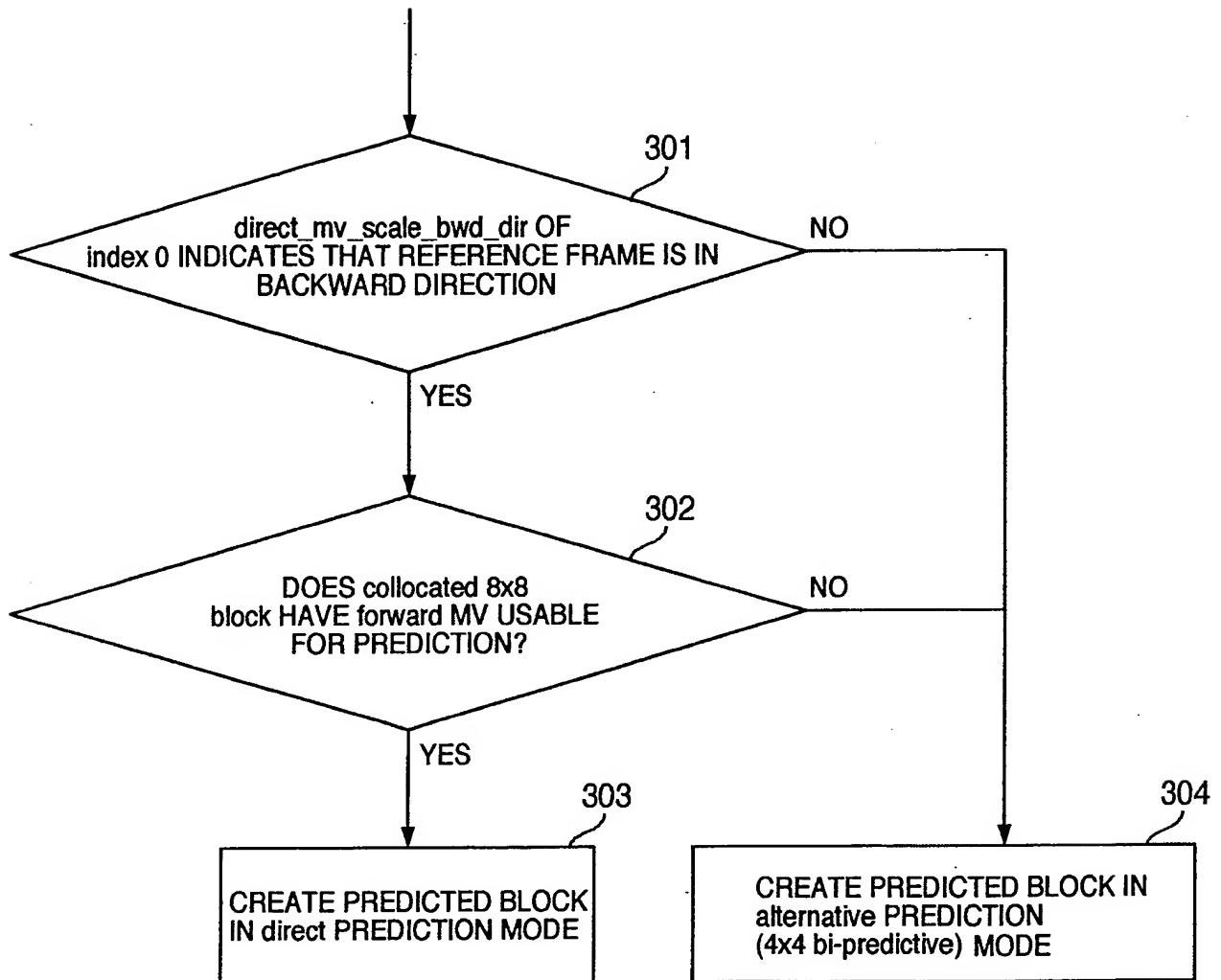


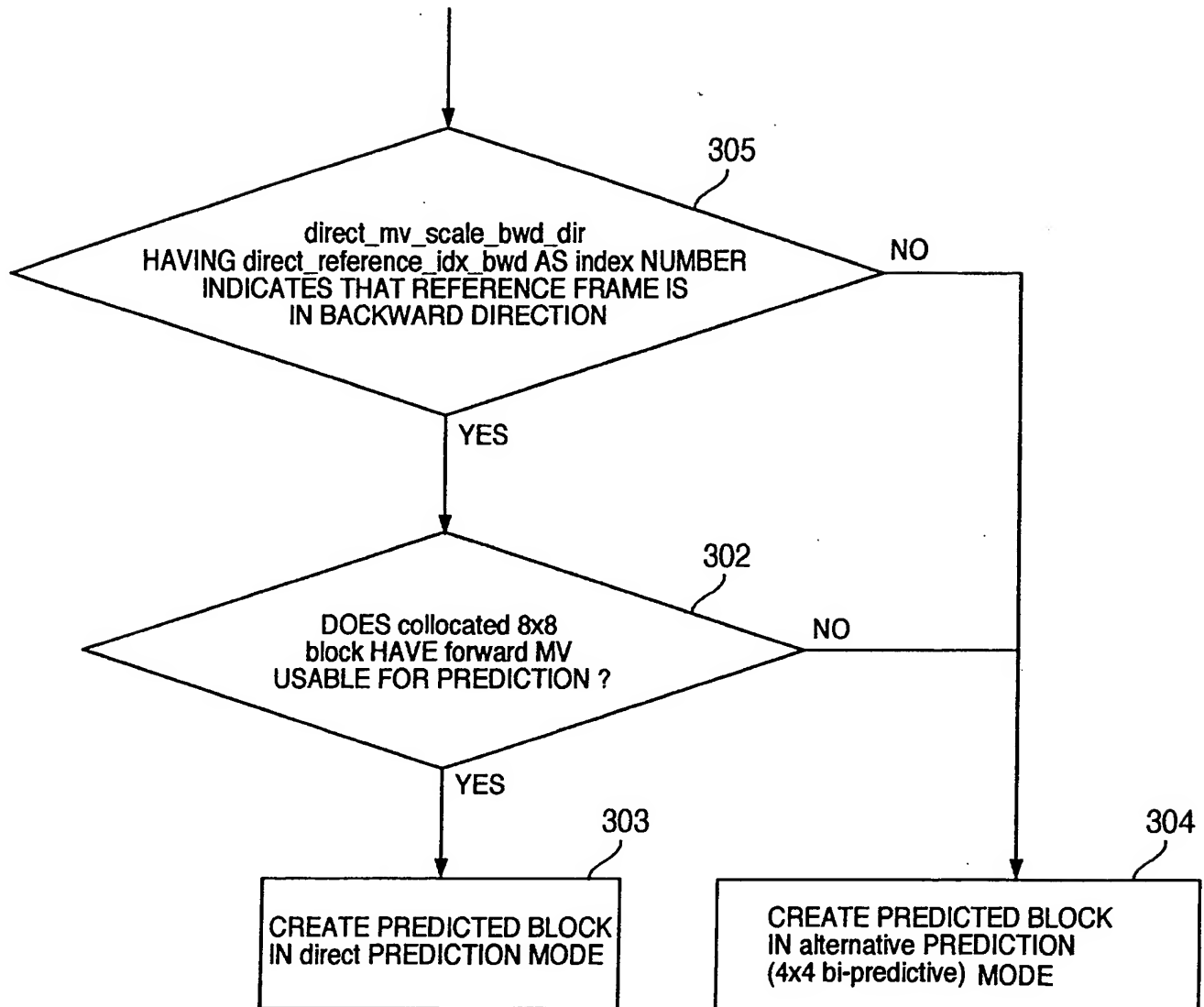
FIG.12





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FIG.13



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FIG. 14

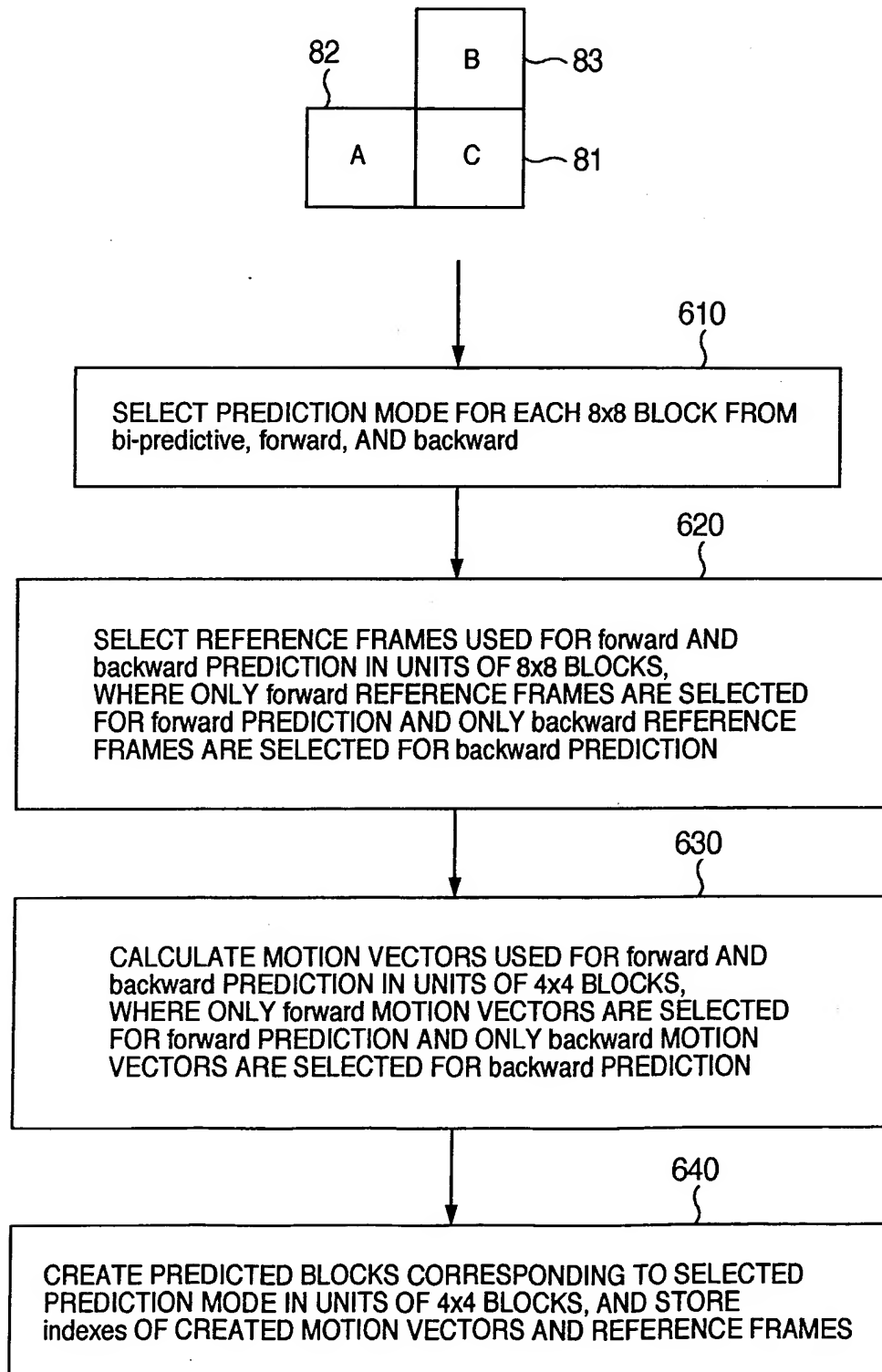
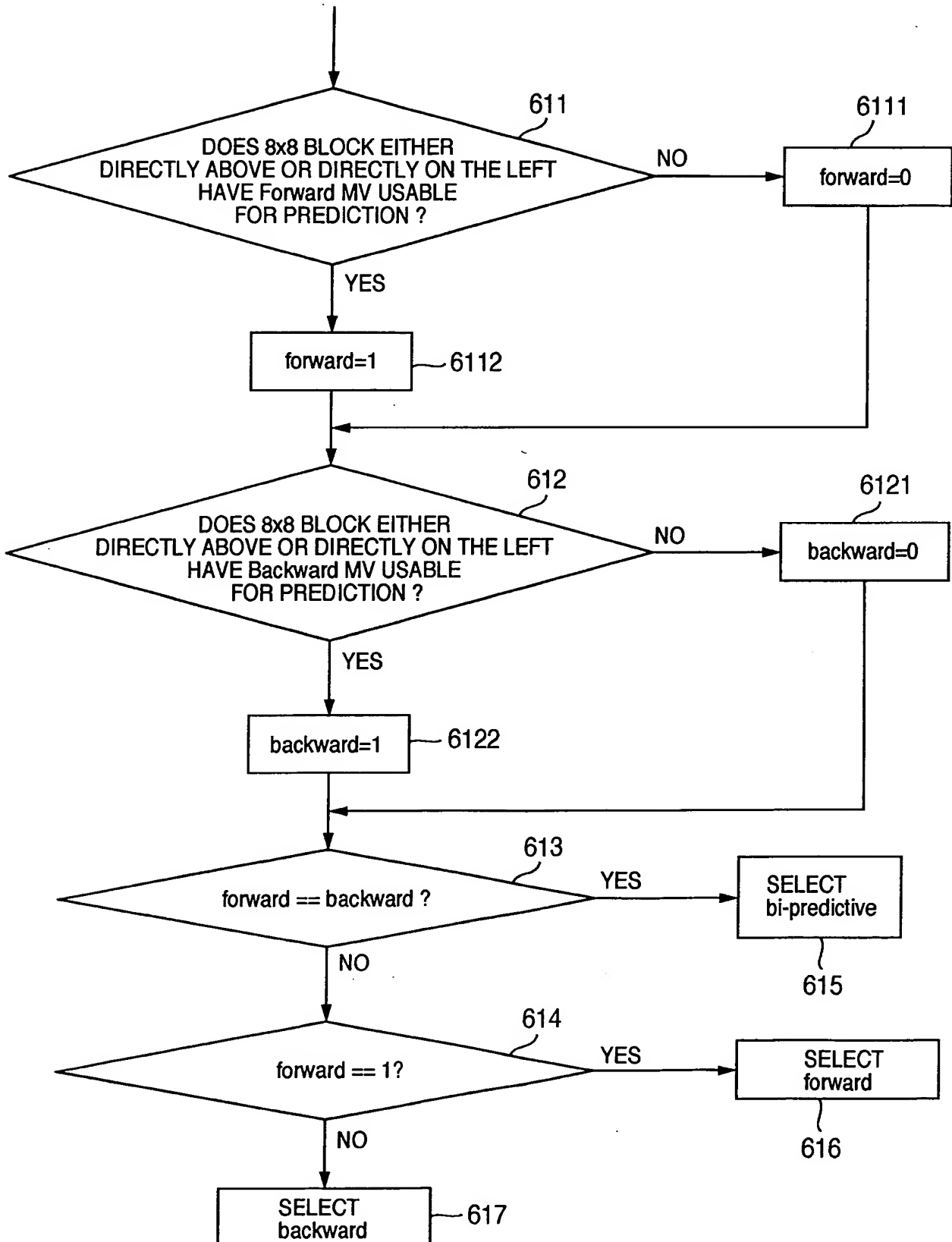


FIG.15



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FIG.16

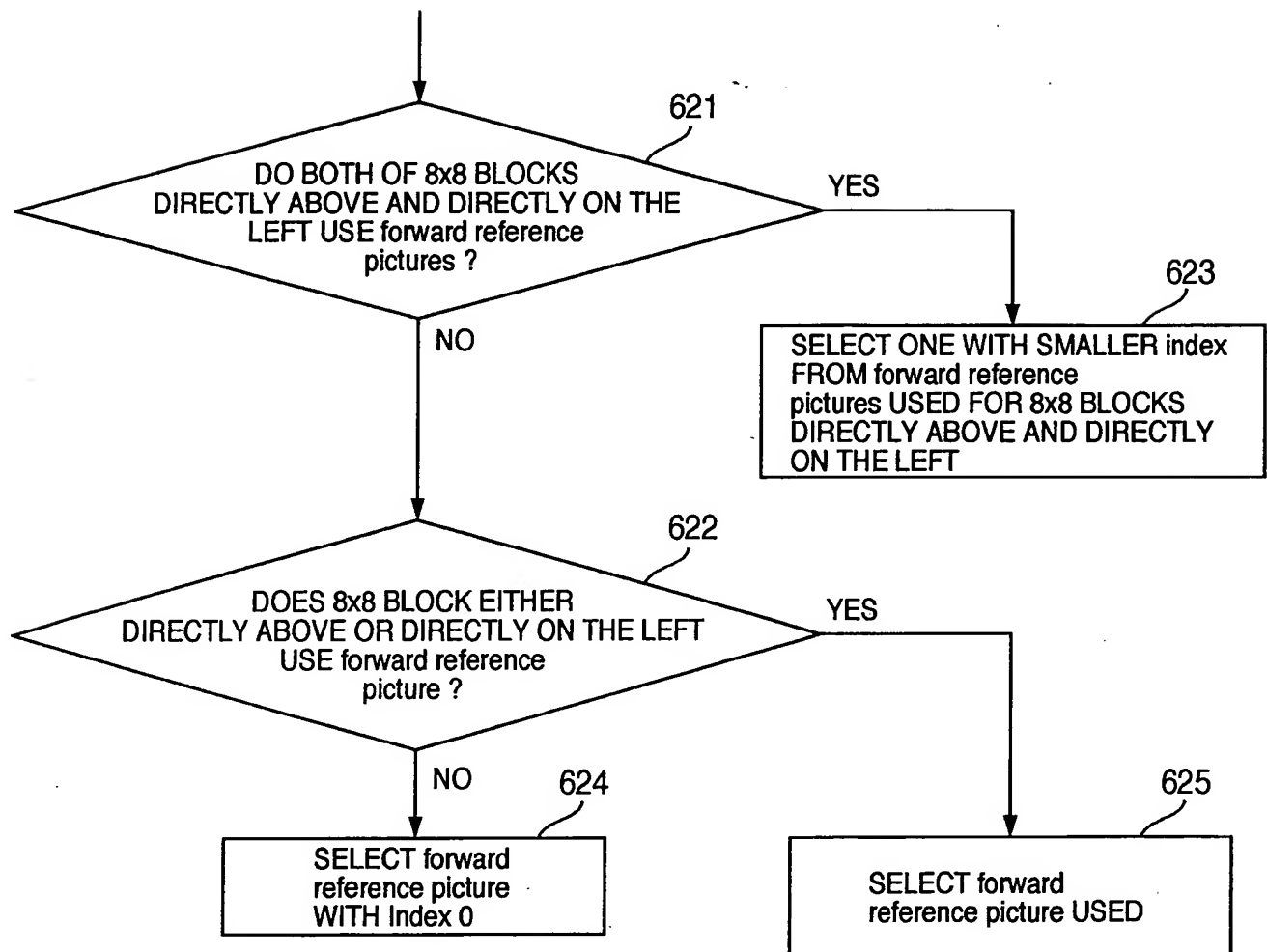


FIG.17

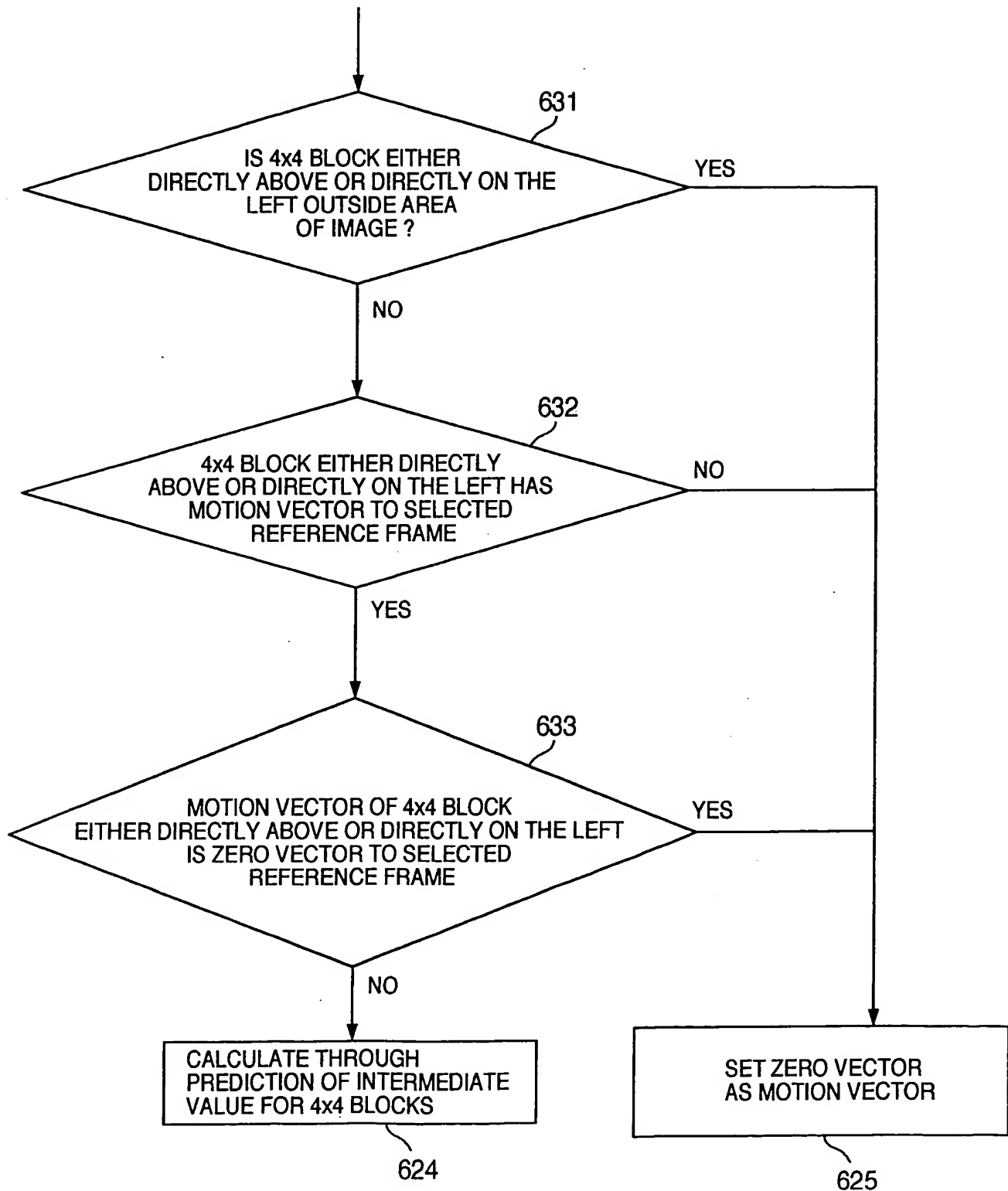
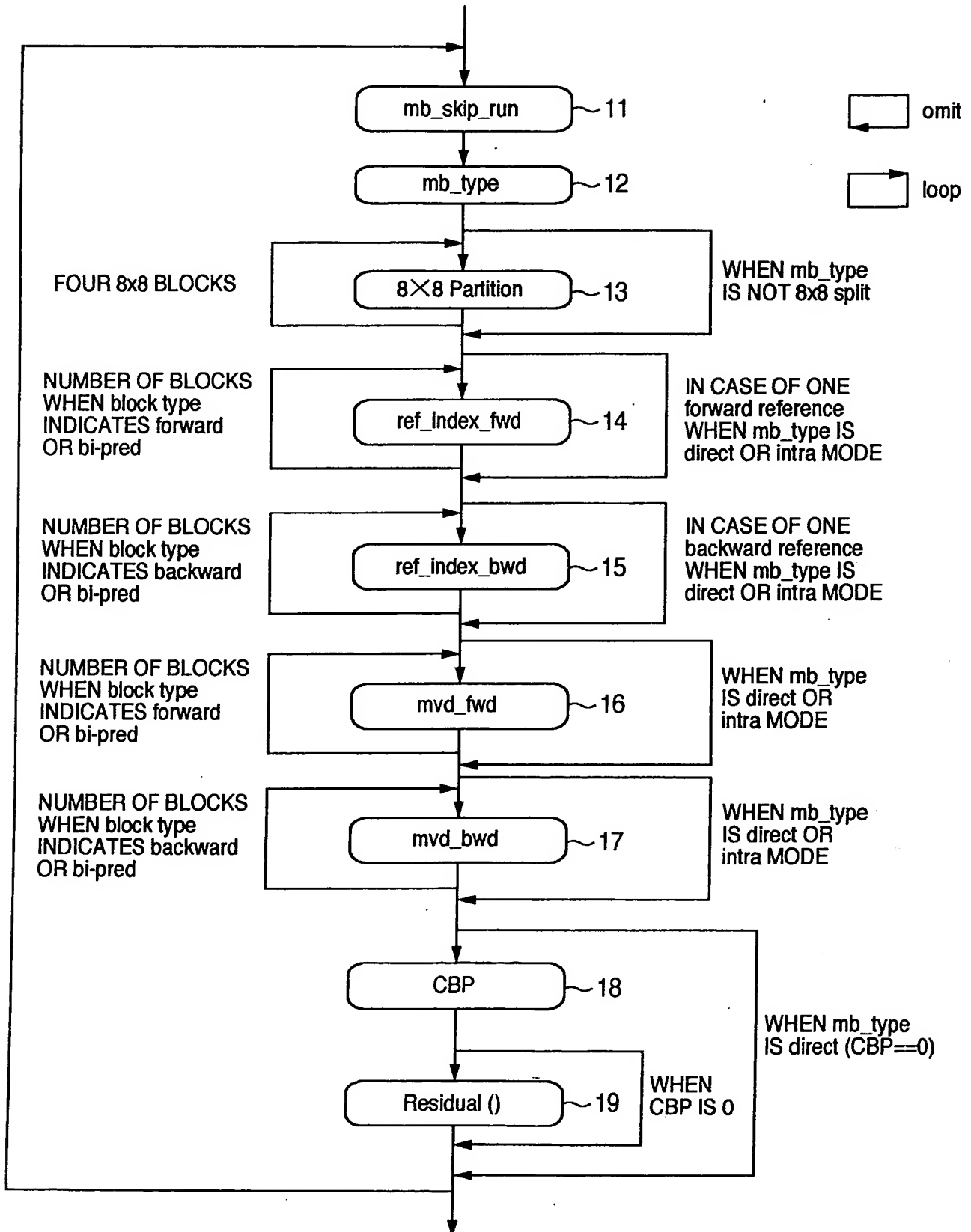


FIG.18



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FIG.19

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0  
0  $X_0$  1  
0  $X_0$  0  $X_1$  1  
0  $X_2$  0  $X_1$  0  $X_0$  1  
0  $X_3$  0  $X_2$  0  $X_1$  0  $X_0$  1  
-----  
 $X_n = 0$  or 1

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Code_number	Codewords in explicit form
0	0
1	001
2	011
3	00001
4	00011
5	01001
6	01011
7	0000001
8	0000011
9	0001001
10	0001011
11	0100001
.....	.....

FIG.20

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Code_number	Macroblock mode	Binarization
0	SKIP	0
1	16×16	1000
2	16×8	1011
3	8×16	1010
4	8×8 (split)	1001
5 (UVLC only)	8×8 (split, all ref=0)	-
6	Intra 4×4	110
7 .....	Intra 16×16	111

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Code_number	8×8 Partition mode	Binarization
0	8×8	1
1	8×4	000
2	4×8	0011
3	4×4	0010
4	Intra	01

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FIG.21

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Code_number	Macroblock mode	Block 1	Block 2	Binarization
0	Direct (CBP==0)	-	-	0
1	Direct	-	-	10
1	16×16	Forward	-	1100
2	16×16	Backward	-	1101
3	16×16	Bipred	-	1110000
4	16×8	Forward	Forward	1110001
5	8×16	Forward	Forward	1110010
6	16×8	Backward	Backward	1110011
7	8×16	Backward	Backward	1110100
8	16×8	Forward	Backward	1110101
9	8×16	Forward	Backward	1110110
10	16×8	Backward	Forward	1110111
11	8×16	Backward	Forward	1111110
12	16×8	Forward	Bipred	11110000
13	8×16	Forward	Bipred	11110001
14	16×8	Backward	Bipred	11110010
15	8×16	Backward	Bipred	11110011
16	16×8	Bipred	Forward	11110100
17	8×16	Bipred	Forward	11110101
18	16×8	Bipred	Backward	11110110
19	8×16	Bipred	Backward	11110111
20	16×8	Bipred	Bipred	11111000
21	8×16	Bipred	Bipred	11111001
22	8×8 (split)			1111111
23	Intra 4×4			111111010
24 .....	Intra 16×16			111111011

Code_number	8×8 Partition mode	Prediction	Binarization
0	Direct	-	0
1	8×8	Forward	10
2	8×8	Backward	1100
3	8×8	Bipred	1101
4	8×4	Forward	1110000
5	4×8	Forward	1110001
6	8×4	Backward	1110010
7	4×8	Backward	1110011
8	8×4	Bipred	1110100
9	4×8	Bipred	1110101
10	4×4	Forward	1110110
11	4×4	Backward	1110111
12	4×4	Bipred	1111110
13	Intra	-	1111000

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FIG.22

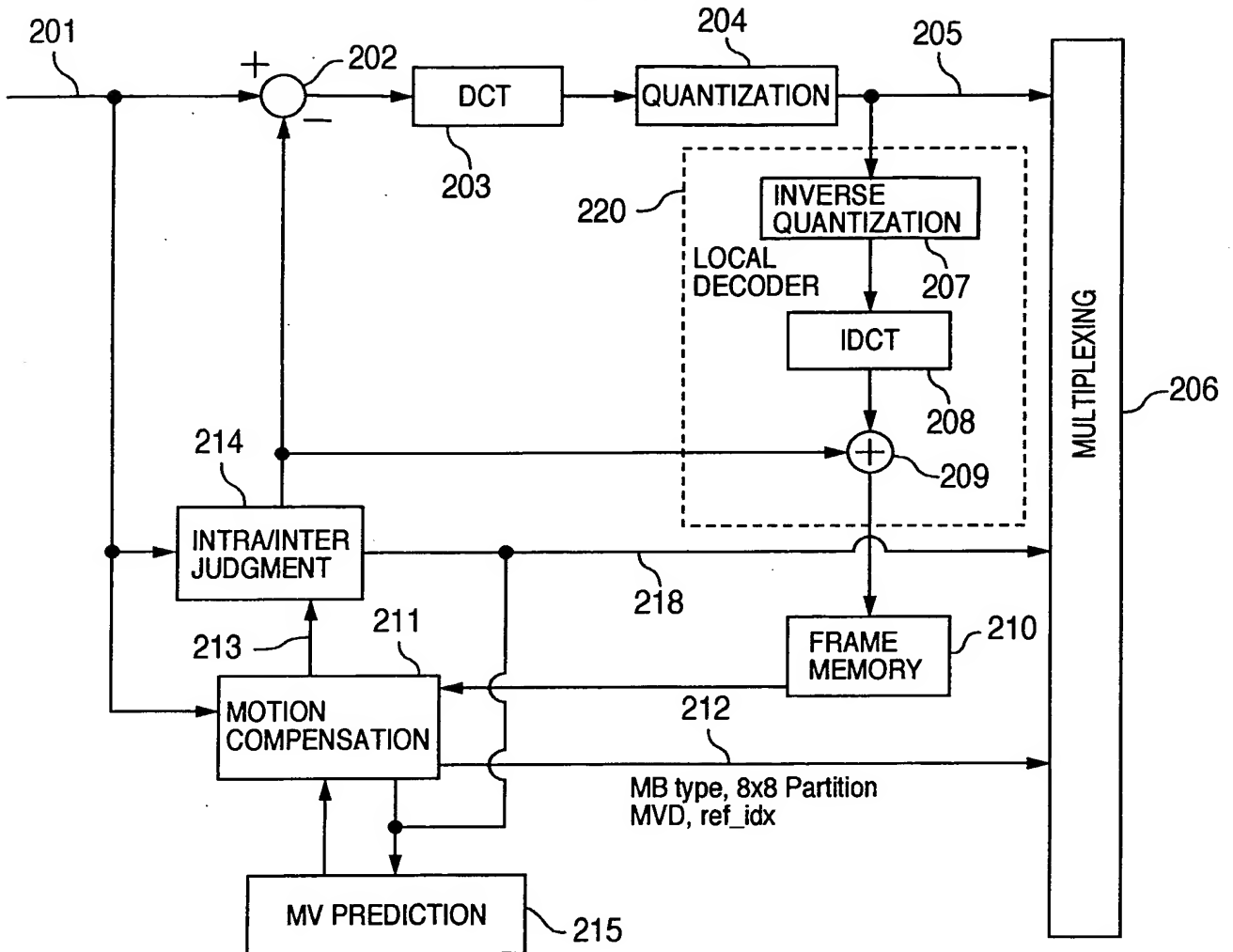
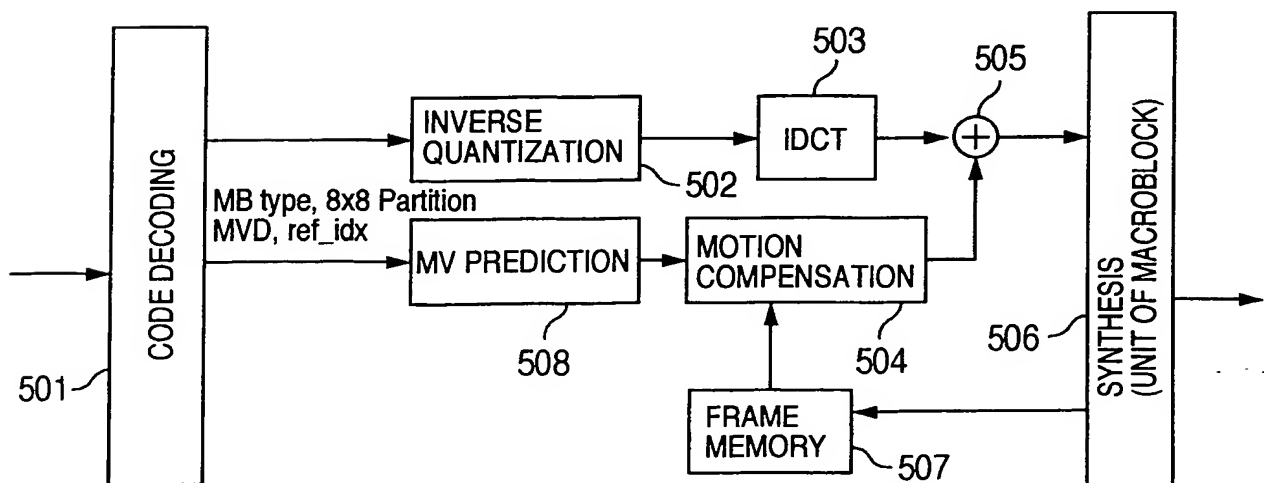
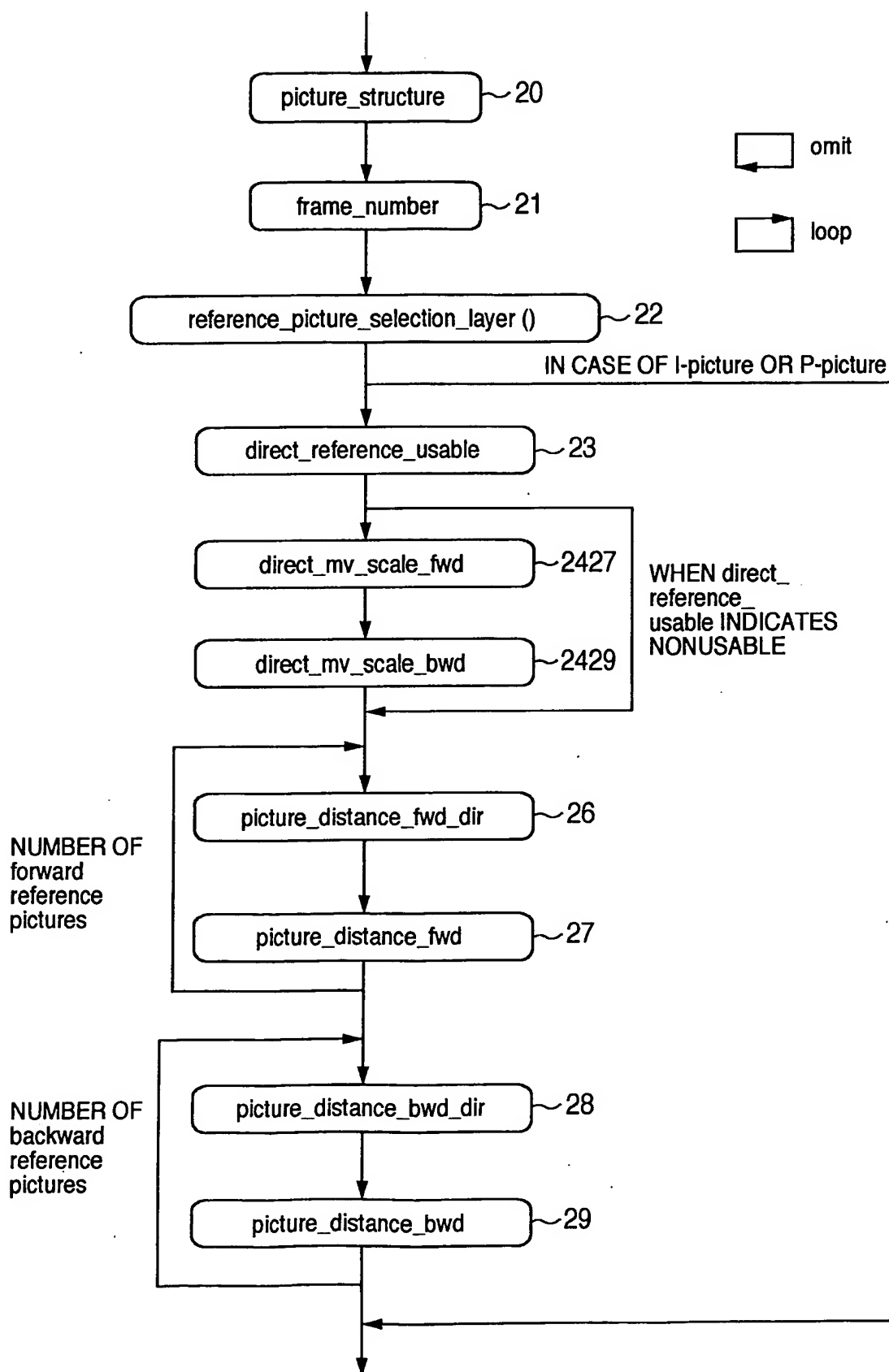


FIG.23



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FIG.24



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FIG.25

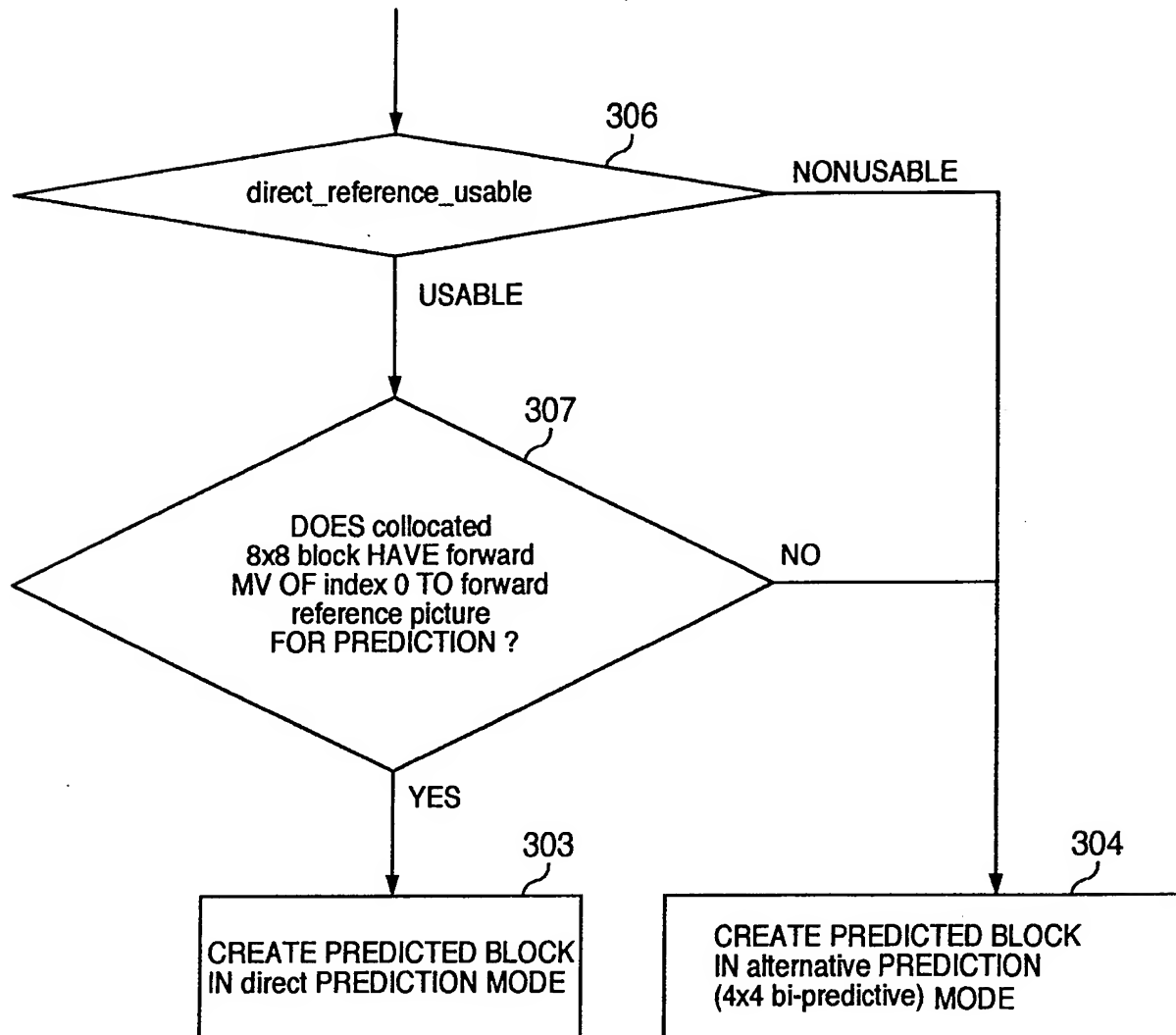


FIG.26

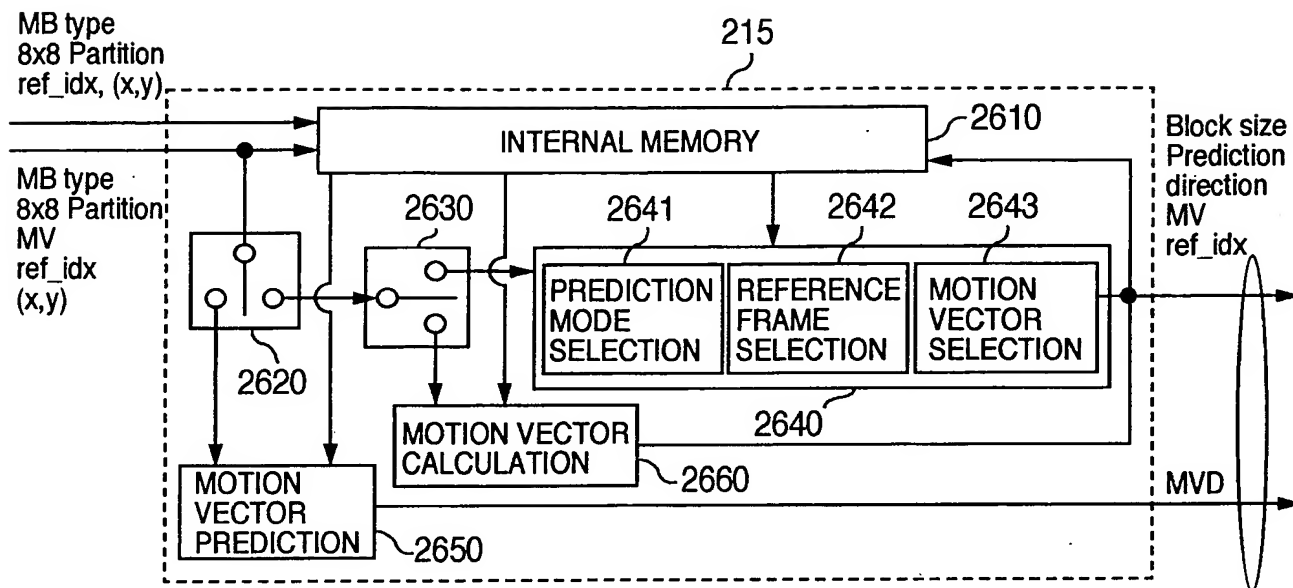
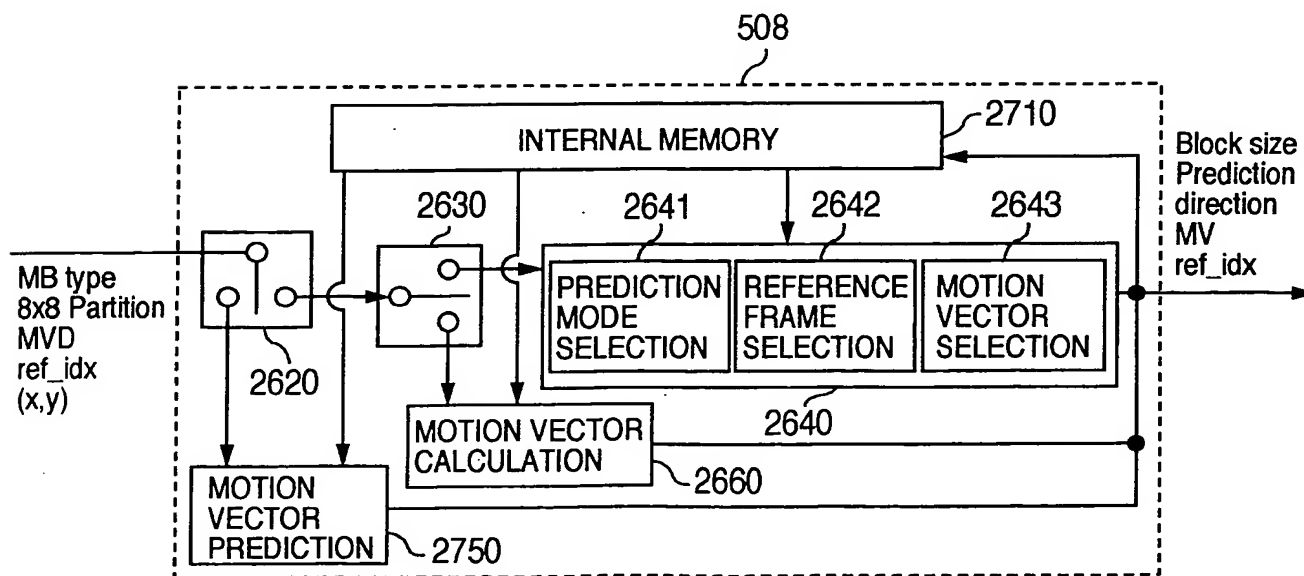


FIG.27



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FIG.28

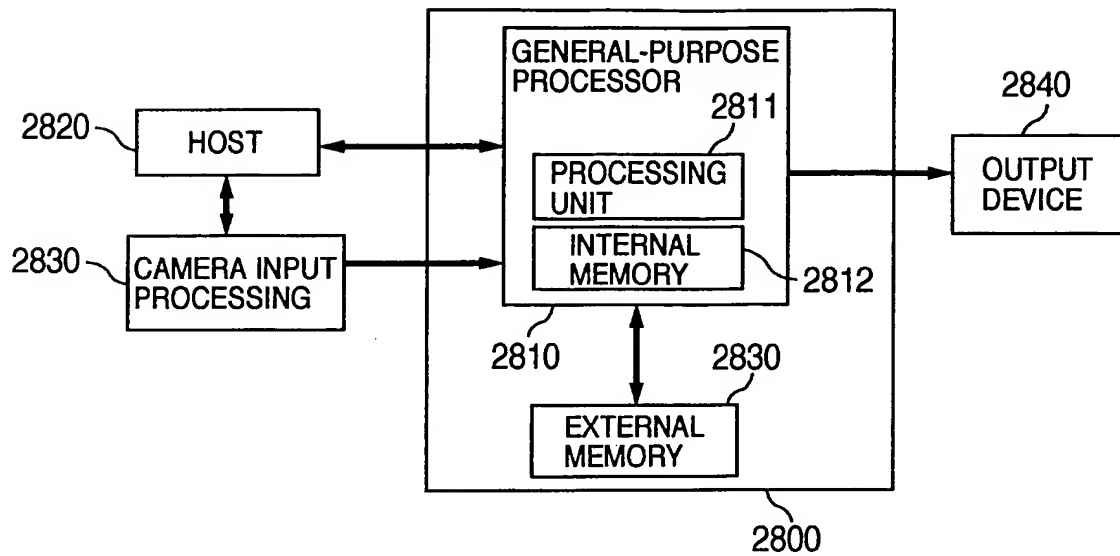


FIG.29

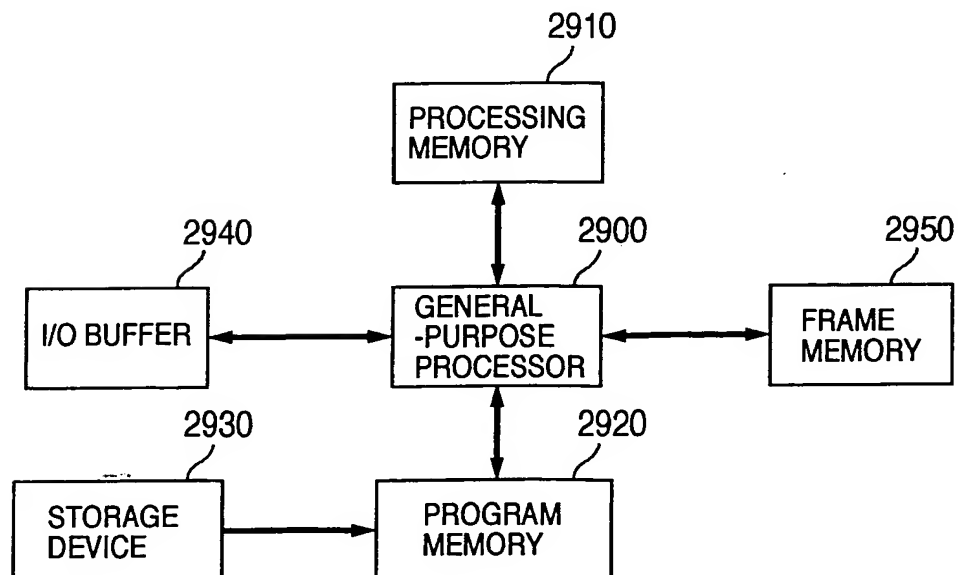


FIG.30

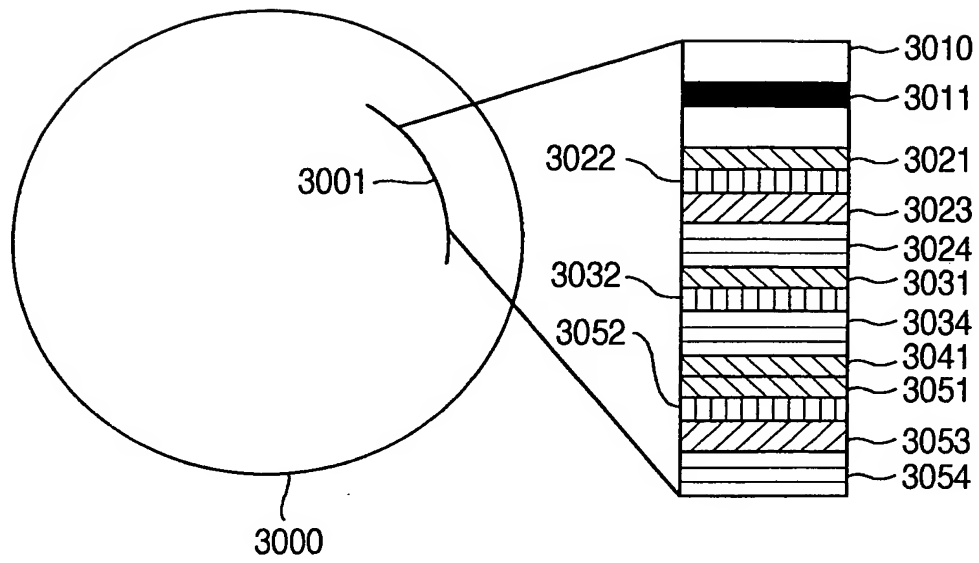


FIG.31

